



PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
21058.NPSERIAL NO.
10/664,045

LIST OF PRIOR ART CITED BY APPLICANT

APPLICANT Bruening et al.

FILING DATE
9/16/03GROUP
1628

U.S. PATENT DOCUMENTS

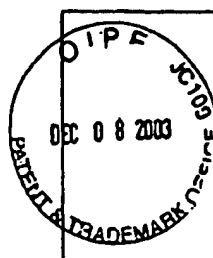
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
K	A1	4,001,279	Jan 4, 1977	Cram			
F	A2	4,043,979	Aug 23, 1977	Cram			
B	A3	4,943,375	Jul 24, 1990	Bradshaw, et al.			
P	A4	4,952,321	Aug 28, 1990	Bradshaw, et al.			
R	A5	4,959,153	Sep 25, 1990	Bradshaw, et al.			
L	A6	4,960,882	Oct 2, 1990	Bradshaw, et al.			
A	A7	5,039,419	Aug 13, 1991	Bradshaw et al.			
R	A8	5,071,819	Dec 10, 1991	Tarbet, et al.			
F	A9	5,078,978	Jan 7, 1992	Tarbet, et al.			
F	A10	5,084,430	Jan 28, 1992	Tarbet, et al.			
R	A11	5,173,470	Dec 22, 1992	Bruening, et al.			
F	A12	5,179,213	Jan 12, 1993	Bradshaw, et al.			
R	A13	5,182,251	Jan 26, 1992	Bruening, et al.			
F	A14	5,190,661	Mar 2, 1993	Bruening, et al.			
R	A15	5,244,856	Sep 14, 1993	Bruening, et al.			
R	A16	5,273,660	Dec 28, 1993	Bruening, et al.			
R	A17	5,393,892	Feb 28, 1995	Krakowiak, et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

K	A18	Armstrong, Daniel W., et al., CAPILLARY ELECTROPHORETIC ENANTIOSEPARATIONS USING MACROCYCLIC ANTIBIOTICS AS CHIRAL SELECTORS, Electrophoresis, 1997, 18, pp. 2331-2342
R	A19	Armstrong, Daniel W., et al.; MACROCYCLIC ANTIBIOTICS AS A NEW CLASS OF CHIRAL SELECTORS FOR LIQUID CHROMATOGRAPHY; Analytical Chemistry, Vol. 66, No. 9, May 1, 1994; pp. 1473-1484
R	A20	Armstrong, Daniel W., OPTICAL ISOMER SEPARATION BY LIQUID CHROMATOGRAPHY; Analytical Chemistry, Vol. 59, No. 2, Jan. 15, 1987; pp. 84A-91A.
K	A21	Bradshaw, Jerald S., et al.; ENANTIOMERIC RECOGNITION OF ORGANIC AMMONIUM SALTS BY CHIRAL DIALKYL-DIALKENYL-, AND TETRAMETHYL-SUBSTITUTED PYRIDINO-18-CROWN-6 AND TETRAMETHYL-SUBSTITUTED BIS-PYRIDINO-18-CROWN-6 LIGANDS: COMPARISON OF TEMPERATURE-DEPENDENT ¹ H NMR AND EMPIRICAL FORCE FIELD TECHNIQUES ¹ ; The Journal of Organic Chemistry, 1990, Vol. 55; pp. 3129-3137.

	PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 21058.NP	SERIAL NO. 10/664,045
	LIST OF PRIOR ART CITED BY APPLICANT			
	APPLICANT Bruening et al.		FILING DATE 9/16/03	GROUP 1625

<i>K</i>	A22	Koshiishi, Ichiro, et al., <i>SIMULTANEOUS DETERMINATION OF VITAMIN C AND ITS CARBAMYLATED DERIVATIVES BY HIGH-PERFORMANCES LIQUID CHROMATOGRAPHY WITH POST-COLUMN DERIVITIZATION</i> , Journal of Chromatography, 806 (1998) 340-344
<i>K</i>	A23	Kostrowicki, J., et al.; <i>MACROCYCLIC POLYFUNCTIONAL LEWIS BASES</i> ; Journal of Chromatography, 454 (1988) 340-344
<i>K</i>	A24	P. Huszthy, et al., <i>ENANTIOMERIC SEPARATION OF CHIRAL [A-(1-NAPHTHYL)ETHYL]AMMONIUM PERCHLORATE BY SILICA GEL-BOUND CHIRAL PYRIDINO-18-CROWN-6 LIGANDS</i> , Models in Chemistry 131 (3-4), pp. 445-454 (1994)
<i>K</i>	A25	Pirkle, WH, et al. <i>CHIRAL STATIONARY PHASES FOR THE DIRECT LC SEPARATION OF ENANTIOMERS</i> ; Advances in Chromatography, 1987;27:73-127
<i>K</i>	A26	Pirkle, WH, et al.; <i>CONSIDERATIONS OF CHIRAL RECOGNITION RELEVANT TO THE LIQUID CHROMATOGRAPHIC SEPARATION OF ENANTIOMERS</i> ; Chem Rev., 1989, 89: 347-362
<i>K</i>	A27	Sogah, G. Dotsevi Yao, et al., <i>CHROMOTOGGRAPHIC OPTICAL RESOLUTION THROUGH CHIRAL COMPLEXATION OF AMINO ESTER SALTS BY A HOST COVALENTLY BOUND TO SILICA GEL</i> , Journal of the American Chemical Society, 1975, 97:5, pp. 1259-1261
<i>K</i>	A28	Sogah, G. Dotsevi Yao, et al., <i>HOST-GUEST COMPLEXATION. 14. HOST COVALENTLY BOUND TO POLYSTYRENE RESIN FOR CHROMATOGRAPHIC RESOLUTION OF ENANTIOMERS OF AMINO ACID AND ESTER SALTS</i> , Journal of the American Chemical Society, 1979, 101, pp. 3035-3042
<i>K</i>	A29	Sogah, G. Dotsevo Yao, et al., <i>TOTAL CHROMATOGRAPHIC OPTICAL RESOLUTIONS OF α-AMINO ACID AND ESTER SALTS THROUGH CHIRAL RECOGNITION BY A HOST COVALENTLY BOUND TO POLYSTYRENE RESIN</i> , Journal of the American Chemical Society, 1976, 98:10, pp. 1262-1265
<i>K</i>	A30	Taylor, Edward C., et al., <i>S-ALKYLATION AND S-ACYLATION OF THE THIOCARBONYL LIGAND IN METAL COMPLEXES</i> , Journal of the American Chemical Society, 1976, 98:10, pp. 1261-1262
<i>K</i>	A31	Zhang, et al.; <i>ENANTIOMERIC RECOGNITION OF AMINE COMPOUNDS BY CHIRAL MACROCYCLIC RECEPTORS</i> ; Chemical Reviews, 1997, 97, 3313-3361.
EXAMINER <i>Raymond Corrigato</i>		DATE CONSIDERED <i>6/4/05</i>
<p>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.</p>		

	PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 21058.NP	SERIAL NO. 10/664,045
	LIST OF PRIOR ART CITED BY APPLICANT			
	APPLICANT Bruening et al.		FILING DATE 9/16/03	GROUP 1625


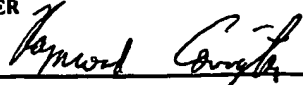
U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1						
	A2						
	A3						
	A4						
	A5						
	A6						
	A7						
	A8						
	A9						
	A10						
	A11						
	A12						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	A13						
	A14						
	A15						
	A16						
	A17						

OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

	A18	Singh, Harjit, Subodh Kumar, Anupa Jain and Paramjit Singh, "Synthetic Ionophores. Part 4. Phase Transfer - catalysed Synthesis of Pyridine-containing Macrocycles and Their Ionophore Character, J. CHEM SOC. PERKIN TRANS. 1 1990.
	A19	
	A20	
EXAMINER 		DATE CONSIDERED 8/4/05
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		